

POST and Sequential Weed Control w/Maverick Janesville, WI 2022

Trial Information

Trial Sponsor(s): Valent

Objective: Evaluate early POST and sequential split applications of Maverick

Crop: Corn

Hybrid: Dekalb DKC 54-38 RIB

Weed species (pressure): glyphosate resistant waterhemp (moderate)
giant ragweed (low-moderate) (patchy)
giant foxtail (moderate-high)

Herbicide Application(s): PRE – 5/17

EPOST – 6/13 (V4 corn)

POST – 6/24 (V6 corn)

For the full report see trial #22-ROK-CN07 in the [2022 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



POST and Sequential Weed Control with Maverick

Janesville, WI 2021

Trt #	Herbicide (rate acre ⁻¹)	Waterhemp (%)			Giant Foxtail (%)			Yield ^b bu acre ⁻¹	
		6/13	6/24	7/14	6/13	6/24	7/14		
1	Untreated Check	0	0	0	0	0	0	49 c	
One-Pass – EPOST (6/13)		EPOST			EPOST				
2	Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	54	41	0	100	85	224 B	
3	Acuron (1.5 qt) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	98	91	0	98	85	258 ab	
4	Halex GT (4 pt) + NIS (0.25% v/v) + AMS (3 lb)	0	94	80	0	99	85	247 ab	
5	Armezon PRO (24 oz) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	86	70	0	100	84	241 ab	
6	Resicore (44 oz) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	91	78	0	100	88	252 ab	
7	Maverick (14 oz) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	93	74	0	100	85	251 ab	
8	Maverick (14 oz) + AAtrex (1.5 pt) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	0	100	93	0	98	88	261 a	
Two-Pass – PRE (5/17) fb POST (6/24)		POST			POST				
9	Acuron (1.5 qt) fb Acuron (1.5 qt) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	97	85	92	84	70	99	246 ab	
10	Maverick (18 oz) fb Maverick (14 oz) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	95	85	73	86	70	99	252 ab	
11	Maverick (18 oz) + AAtrex (1 pt) fb Maverick (14 oz) + AAtrex (1 pt) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	98	94	94	84	74	99	250 ab	
12	Perpetuo (8 oz) + AAtrex (2 pt) fb Maverick (14 oz) + Roundup PMII (32 oz) + NIS (0.25% v/v) + AMS (3 lb)	96	84	79	90	77	99	248 ab	
		LSD ($\alpha=0.10$)	ns	7.5	11	ns	9	5	19.5
		p value	0.171	<.001	<.001	0.190	<.001	<.001	<0.001

^aVisual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

^bYield values with the same letter are not significantly different.

POST and Sequential Weed Control w/Maverick Janesville, WI 2022

Plot pictures taken on 6/13

27 days after the PRE application
The day of the EPOST application

The numbers in the upper right-hand corner are the average % waterhemp and giant foxtail control of 4 replications

Giant ragweed was scattered throughout the trial area; however, pressure was not consistent enough to rate

27 days after PRE (6/13)

0%

Untreated Check



27 days after PRE (6/13)
PRE: 1.5 qt Acuron

Waterhemp = 97%
G. Foxtail = 84%



27 days after PRE (6/13)

PRE: 18 fl oz Maverick

Waterhemp = 95%

G. Foxtail = 86%



27 days after PRE (6/13)

PRE: 18 fl oz Maverick + 1 pt AAtrex 4L

Waterhemp = 98%

G. Foxtail = 84%



27 days after PRE (6/13)
PRE: 8 fl oz Perpetuo + 1 pt AAtrex 4L

Waterhemp = 96%
G. Foxtail = 90%



POST and Sequential Weed Control w/Maverick Janesville, WI 2022

Plot pictures taken on 6/24

38 days after the PRE application

11 days after the EPOST application

The day of the POST application

The numbers in the upper right-hand corner are the average % waterhemp and giant foxtail control of 4 replications

Giant ragweed was scattered throughout the trial area; however, pressure was not consistent enough to rate

38 days after PRE (6/24)

Untreated Check

0%



11 days after EPOST (6/24)

EPOST: 32 fl oz Roundup PMII + NIS + AMS

Waterhemp = 54%

G. Foxtail = 100%



11 days after EPOST (6/24)

EPOST: 1.5 qt Acuron + 32 fl oz Roundup PMII

Waterhemp = 98%

G. Foxtail = 98%



11 days after EPOST (6/24)
EPOST: 4 pt Halex GT

Waterhemp = 94%
G. Foxtail = 99%



11 days after EPOST (6/24)

EPOST: 24 fl oz Armezon PRO + 32 fl oz Roundup PMII

Waterhemp = 86%

G. Foxtail = 100%



11 days after EPOST (6/24)

EPOST: 44 fl oz Resicore + 32 fl oz Roundup PMII

Waterhemp = 91%

G. Foxtail = 100%



11 days after EPOST (6/24)

EPOST: 14 fl oz Maverick + 32 fl oz Roundup PMII

Waterhemp = 93%

G. Foxtail = 100%



11 days after EPOST (6/24)

Waterhemp = 100%

EPOST: 14 oz Maverick + 1.5 pt AAtrex + 32 oz Roundup PMII

G. Foxtail = 98%



38 days after PRE (6/24)

PRE: 1.5 qt Acuron

Waterhemp = 85%

G. Foxtail = 70%



38 days after PRE (6/24)

PRE: 18 fl oz Maverick

Waterhemp = 85%

G. Foxtail = 70%



38 days after PRE (6/24)

PRE: 18 fl oz Maverick + 1 pt AAtrex 4L

Waterhemp = 94%

G. Foxtail = 74%



38 days after PRE (6/24)

PRE: 8 fl oz Perpetuo + 1 pt AAtrex 4L

Waterhemp = 84%

G. Foxtail = 77%

